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	A.A	4	9	1	4	5	8	5	04/03/90	Packard et	al.		364	200		05/23/88
	A.B	5	0	7	3	8	9	0	12/17/91	Peter J. Da	inielsen		370	58.2		12/30/88
	A.C	5	1	1	7	4	9	6	05/26/92	Stearns et	al.		395	700		05/23/88
	A.D	5	1	5	5	7	6	3	10/13/92	Bigus et al.	•		379	113		12/11/90
	A.E	5	2	2	6	1	7	6	07/06/93	Westaway	et al.		395	800		08/20/90
	A.F	5	2	3	5	6	4	2	08/10/93	Wobber et	al.		380	25		07/21/92
	A.G	5	2	4	1	6	2	1	08/31/93	Ronald G.	Smart		395	51		06/26/91
	A.H	5	2	7	6	7	6	8	01/04/94	James L. B	Bander		395	10		03/20/91
	A.I	5	3	0	1	3	2	0	04/05/94	McAtee et	al.		395	650		06/28/91
	A.J	5	3	1	7	6	8	8	05/31/94	Ralph T. W	/atson et al.	•	395	161		02/26/93
	A.K	5	3	2	5	5	2	8	06/28/94	Johannes I	Klein		395	650		04/22/93
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	A.L	w	09	321	586	5			10/28/93							
	A.M	w	09	500	907	7			01/05/95							
	A.N	w	09	502	217	7			01/19/95							
	A.0	w	09	511	560	)			04/27/95							
	A.P	w	'09	515	635	5			06/08/95							
	A.Q	20	061	117	,				02/12/92	Applica Patent	ntion for Cana	ndian				
					С	тн	ER C	юс	UMENTS (Inc	luding Autho	or, Title, Date	e, Place of I	Publication)	1		
	A.R	Gi	lber	t et	al.,	, "IE	M I	ntel	ligent Agents	", http://ww	w.networking	g.ibm.com/	iag/iagwp1	.htm1,	(1996).	
	A.S	•	"Commercial Expert System Shells", http://www.ioe.ac.uk/hgm/expert3.html, (1997).													
·	A.T	٠٠	om	mer	cial	So	ftwa	re l	Packages for	Neural Netw	ork Simulatio	n", ftp://ftp	.sas.com/p	oub/neu	ral/FAQ6	5.html, (1997).
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March 1995, Volume 42, No. 3, pp. 265-288.

**EXAMINER** 

U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO. SERIAL NO. SUBSTITUTE FORM PTO-1449 PATENT AND TRADEMARK OFFICE (MODIFIED) IBM/04B (R0996-052L) 09/100,595 INFORMATION DISCLOSURE **APPLICANT** STATEMENT BY APPLICANT Joseph Phillip Bigus et al. (Use several sheets if necessary) **FILING DATE GROUP** (37 CFR 1.98(b)) June 19, 1998 2762 **U.S. PATENT DOCUMENTS EXAMINER** ISSUE **FILING DATE** INITIAL **PATENT NUMBER** DATE **PATENTEE CLASS SUBCLASS** IF APPROPRIATE 8 01/02/96 C.A Hamilton et al. 395 700 12/15/93 8 9 C.B 4 6 9 01/02/96 Christian D. Saether 395 182.13 03/23/95 C.C 6 0 3 0 3 1 02/11/97 White et al. 395 683 07/08/93 C.D C.E C.F C.G C.H C.I C.J C.K FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS **DOCUMENT PUBLICATION COUNTRY OR TRANSLATION** NUMBER DATE PATENT OFFICE CLASS **SUBCLASS** (YES/NO) C.L JP4256101 1992 Japan No C.M 1993 JP5324009 Japan No C.N JP6175944 1994 Japan Yes C.0 C.P C.Q OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) C.R Darrell Woelk et al., "Uncovering the next generation of active objects", OBJECT magazine, July/August 1995, pp. 32-40. Jan Ozer, "Totally Streaming Multimedia", CD-ROM Professional, August 1996, Volume 9 No. 8, pp. 54-66. C.S Barbara Hayes-Roth et al., "A Domain-Specific Software Architecture for Adaptive Intelligent Systems", IEEE C.T Transactions on Software Engineering, April 1995, Vol. 21, No. 4, pp. 288-301. **EXAMINER** DATE CONSIDERED

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·	E.S	Work	Cristano Castelfranchi, "Guarantees for Autonomy in Cognitive Agent Architecture", <u>Proceedings of ECAL-94</u> <u>Workshop on Agent Theories</u> , <u>Architectures</u> , <u>and Languages</u> , Amsterdam, The Netherlands, August 8-9, 1994, pp. 56-70.											
	Е.Т	Devir on A	ndra V gent	Veer [hec	asoori ries, A	ya et al., "Desig rchitectures, ar	n of a Con	current Agent- es, Amsterdan	Oriented La	anguage", E erlands, Au	roceed	ings of E 9, 1994	CAI-94 Workshop , pp. 386-401.	
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SUBSTITUTE FORM PTO-1449 Sheat 9 U.S. DEPARTMENT OF COMMERCE (MODIFIED) ATTY. DOCKET NO. PATENT AND TRADEMARK OFFICE BERIAL NO IBM/04B (RO996-052L) AF 100,595 INFORMATION DISCLOSURE STATEMENT BY APPLICANT **APPLICANT** Joseph Phillip Bigus et al. (Use several sheets if necessary) (37 CFR 1.98(b)) FILING DATE GRC -June 19, 1998 2761 U.S. PATENT DOCUMENTS **EXAMINER** ISSUE INITIAL PATENT NUMBER DATE Filling DA **PATENTEE** CLASS SUBCLASS I.A IF APPROPRIA I.B I.C I.D 1.E I.F 1.G 1.1 I.J I.K FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS DOCUMENT **PUBLICATION** COUNTRY OR NUMBER DATE PATENT OFFICE TRANSLATION **CLASS** SUBCLASS I.L (YES/NO) I.M I.N 1.0 I.P I.Q OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) Paul Kearney et al., "Emergent Behaviour in a Multi-Agent Economic Situation", Proceedings of the 11th European I.R Conference on Artificial Intelligence, Amsterdam, The Netherlands, August 8-12, 1994, pp. 284-288. Wayne Wobcke, "Reasoning about Action from the Perspective of Situation Semantics, Proceedings of the 6th 1.5 Australian Joint Conference on Artificial Intelligence, Melbourne, Australia, November 16-19, 1993, pp. 71-76. Gunilla A. Sundstrom et al., "Cooperative Human-Computer Decision Making: An Experiment and Some Design I.T Implications", Proceedings of the Human Factors and Ergonomics Society 38th Annual Meeting, Nashville, Tennessee, **EXAMINER** 

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Sheet \_\_10 (J) \_\_ of \_\_11 U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO. SERIAL NO. **SUBSTITUTE FORM PTO-1449** PATENT AND TRADEMARK OFFICE IBM/04B (RO996-052L) 09/100,595 (MODIFIED) INFORMATION DISCLOSURE APPLICANT STATEMENT BY APPLICANT Joseph Phillip Bigus et al. (Use several sheets if necessary) **FILING DATE GROUP** June 19, 1998 2762 (37 CFR 1.98(b)) **U.S. PATENT DOCUMENTS EXAMINER ISSUE FILING DATE PATENT NUMBER** DATE **PATENTEE CLASS SUBCLASS** IF APPROPRIATE INITIAL J.A J.B J.C J.D J.E J.F J.G J.H J.I J.J J.K FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS **DOCUMENT PUBLICATION COUNTRY OR TRANSLATION** PATENT OFFICE **CLASS SUBCLASS** (YES/NO) NUMBER DATE J.L J.M J.N J.O J.P J.Q OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) J.R T. Moody, "AT&T Personalink (SM) - A Public Network for Smart Agent Pics", IEE Colloquium on Roaming with Data, London, UK, March 6, 1995, Digest No. 1995/046. J.S Lech Polkowski et al., "Introducing Rough Mereological Controllers: Rough Quality Control", Proceedings of RSSC '94 3rd Int'l. Workshop on Rough Sets and Soft Computing, San Jose, California, Nov. 10-12, 1994. J.T Terence J. Parr et al., "A Language for Creating and Manipulating VRML", Symposium on the VRML '95, San Jose, California, December 14-15, 1995, pp. 123-131.

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	K.S	David M. Chess, "Security Considerations in Agent-Based Systems", For the 1st Annual Conference on Emerging Technologies and Applications in Communications, Portland, Oregon, May 7-10, 1996.										on Emerging				
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